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COUNTRY: France
SUBJECT: Electric Cranes for the Port of Givet
PLACE ACQUIRED: [REDACTED]
DATE ACQUIRED: [REDACTED]
DATE OF INFO: 49

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1. In January 1949 [REDACTED] a request from Tractor, 24 rue de Madrid, Paris, to quote prices on two 3-ton 45'11" electric cranes and one rolling gantry crane for their customer: Comptoir Fluvial du Nord and de l'Est, 46 rue de la Bienfaisance, Paris. As they were not able to get the attribution of dollars, the order for these cranes was not placed [REDACTED]. A description of the cranes is as follows:

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2. "MACHINE WORK"

The work consists of unloading coal or iron ore from flat barges. It is not necessary to have a crane which moves its bucket with a horizontal motion as the work of the machine is merely to pile material from the barges onto the quay. Two quays are to be served. One by means of two gantry cranes and the other by means of a rolling gantry. It is necessary to have a rolling gantry on the second quay as the stockage area is larger than on the first quay.

3. "OUTPUT"

A. Cranes - Approximately 500 tons per crane for eight hours' work. For each operation the crane's rotation will be 90 degrees as the work consists of loading railroad trucks passing under the gantry crane.

B. Gantry - The gantry output cannot be stated precisely as the distance the jenny will travel from where the material is piled will vary.

4. "MACHINE CHARACTERISTICS"

A. Cranes - Two 3 tons to 45'11" (14 meters) gantry crane with lifting boom (empty). We insist that the three ton power must be utilized to the full 45'11". However, it is useless to provide a higher lifting power for lower span. As already mentioned, it is not necessary to provide a crane with horizontal motion of the bucket.

(1) Grab for unsorted coal - This item will also be used to manipulate iron ore. If necessary please quote for a grab different in capacity and characteristics for this kind of work. Double hoisting rope for this grab shall be provided to avoid any accident. Please send us your quotation alternatively for: (a) Opening of the grab at a fixed height and (b) Opening of the grab at a variable height, operated from the crane's cabin.

(2) Electrical Engines - Current is three phase, 220-380 volts, 50 cycles. The client would like 250 volt winding engines.

(3) Gantry of the Cranes - The cranes are to be mounted on a gantry sufficiently wide to allow the passage of railroad trucks. The gantry dimension should be calculated in proportion to the railroad truck gauge. The gantry roller-track will have to be determined in proportion to the gantry dimensions.

(4) Hoisting and Rotation Speed - According to the working characteristic of the cranes given above, it would appear that a hoisting speed of

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approximately 60 minutes and a rotation speed of approximately 2 rpm should be considered.

B. One Gantry - length between 'palees' 48 ft (50 m) plus 9 ft (10m) front nose and 9 ft (10m) back nose. Total length 66 ft (70m) Power 5 tons. Maximum free height below bucket 5 ft (6m). It is not necessary to consider a higher gantry as coal cannot be piled higher than 5 ft (6m) without risk of combustion. Also please submit alternative quotations for the following: (a) Gantry with truck without crane on the gantry. In this case lateral motion of the truck should be provided. (b) Gantry with rolling crane. Hoisting cable would be the same as for the cranes. Hoisting of the grab by means of a double cable should be provided for in both quotations. Furthermore, we would like you to examine the possibility to quote alternatively for (a) bucket with opening at a fixed height and (b) bucket with opening at variable height, operated from the driver's cabin. Engine to be the same as for the cranes."

-end-

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